

IL-7 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 60206-1-PBS

Basic Information

Catalog Number: 60206-1-PBS	GenBank Accession Number: BC047698	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 3574	CloneNo.: 5D5G7
Source: Mouse	UNIPROT ID: P13232	Affinity: $K_D = 7.40 \times 10^{-10}$
Isotype: IgG2b	Full Name: interleukin 7	$K_{off} = 7.82 \times 10^{-6}$
Immunogen Catalog Number: AG16314	Calculated MW: 20 kDa	$K_{on} = 1.06 \times 10^4$

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

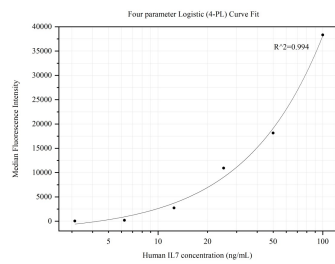
IL-7 is one of the members of IL-2 superfamily. IL-7 is a hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells, but is not produced by normal lymphocytes. IL7 plays an active role in the development, survival, maintaining and restoring homeostasis of mature T lymphocytes. It is also a key regulator of the commitment, survival, proliferation and maturation of B cells during development. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection can be a potent inducer of proinflammatory cytokines and chemokines which may defend against the infection, but may also mediate destructive lung injury. Elevated serum IL7 levels, together with several other circulating cytokines and chemokines, has been found to be associated with the severity of Coronavirus Disease 19 (COVID-19).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

Selected Validation Data



Cytometric bead array standard curve of MP50135-1, IL7 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60206-2-PBS. Detection antibody: 60206-1-PBS. Standard:Ag16314. Range: 3.125-100 ng/mL.